

CLAIMS

What is claimed is:

1. A misting system, for cooling a user having a head, the
5 headwear having a cavity for receiving the head of the user,
a front, and a rear, comprising:

an integrated water supply and pump, including a
container for holding a quantity of water, an output port,
and a handle for pressurizing the container and initiating
10 water flow out the output port;

a front misting nozzle, mountable to the headwear near
the front, the front misting nozzle having a spray surface
for creating a fine spray of water, the nozzles oriented
generally rearwardly toward the user when the user is wearing
15 the headwear; and

at least one conduit for communicating water from the
output port of the integrated water supply and pump to the
front misting nozzle, so that when the user wears the
headwear, the front misting nozzle is mounted in place
20 thereon, and the user operates the handle, a misting spray is
directed from the front misting nozzle toward the user.

2. The misting system as recited in claim 1, further
comprising a flow control valve, interposed between the front
25 misting nozzle and the output port, for allowing the user to
control flow through the at least one conduit to the front
misting nozzle.

3. The misting system as recited in claim 2, further comprising a rear misting nozzle in communication with the at least one conduit and mountable in the headwear near the rear so that the rear misting nozzle is oriented generally downwardly toward a neck back of the user so that when the handle is operated a misting spray is directed toward the neck of the user.

4. The misting system as recited in claim 3, wherein the at least one conduit further comprises misting conduits and a drinking conduit, the misting conduits are connected to the forward and rear misting nozzles, the drinking conduit is connected to the drinking nozzle which attaches within the headwear so that it extends downwardly therefrom to allow the user to drink therefrom, flow through the misting conduits and drinking conduit are separately controllable by the flow control valve.

5. The misting system as recited in claim 4, further comprising a harness which is sized and shaped to fit within the article of headwear and itself is sized to accept a human head therein, the harness has an outer horizontal band, a forward projection where the front misting nozzle is located, a longitudinal band attached to the horizontal band near the forward projection and extending rearwardly therefrom, and a transverse band attaching the horizontal band to the

longitudinal band, the misting conduit associated with the forward misting head extends forwardly on the longitudinal band to the forward portion where it meets the front misting nozzle, the harness further has a mechanism for attaching the harness into the headwear.

6. The misting system as recited in claim 5, wherein the misting conduit associated with the forward misting head has a bend near the forward misting nozzle for allowing the misting conduit to extend substantially horizontally forward on the forward projection, the forward misting nozzle has a removable misting head which is selectively connected to said misting conduit with an elbow and removable for cleaning, the elbow having a plug at one end for connection to the misting conduit, and a receptacle for allowing the forward misting nozzle to be removably attached therein, the elbow is bent to position the removable misting head to direct the misting spray therefrom so that it orients the misting head of the forward misting nozzle rearwardly and downwardly toward the user when wearing the headwear.

7. The misting conduit system as recited in claim 6, wherein the transverse band further comprises a pair of outer transverse bands attached to the horizontal outer band, and an intermediate transverse band, the outer transverse bands are selectively mateable to the intermediate transverse band

with fastener material at various positions to adjust the harness to different sized heads.

8. The misting conduit system as recited in claim 7, wherein
5 the outer band has a plurality of downwardly extending hooks, for allowing the harness to catch an interior surface of the headwear and fasten therein.

9. The misting conduit system as recited in claim 8, wherein
10 the drinking conduit extends forwardly along and is attached to the longitudinal band and then extends downwardly along and is attached to one of the outer transverse bands before extending below the outer horizontal band toward the drinking nozzle.

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10. The misting conduit system as recited in claim 9, wherein each removable misting head has a threaded portion opposite from the spray surface to facilitate selective removal of the misting head to allow for the cleaning of its spray surface.